Centrality dependence of charged multiplicity distributions in $158 \times A$ and $40 \times A$ GeV/c Pb-Pb interactions

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Abstract

Multiplicity distributions in $158 \times A$ and $40 \times A$ GeV/c fixed target Pb-Pb collisions have been obtained during the 1998 and 1999 runs using the NA50 silicon multiplicity detector. We present charged pseudorapidity distributions $dN_{ch}/d\eta$ as a function of centrality, defined by the very forward energy, for the two beam momenta.